

Data Collectors

Data Collector: 2DHistogramAverages

Applies to: universal.

Returns 2D histograms with averaged values for each requested data variable. Does not use OVERFLOW bins.

property	help	required?	default?
REFERENCE/histo_X_var_name REFERENCE/histo_Y_var_name TARGET/histo_X_var_name TARGET/histo_Y_var_name	The data variable to use for histogram X/Y bins when collecting from target or reference.	Yes	X defaults to the collections' longitude var. Y defaults to the collections' latitude var
REFERENCE/histo_X_min_val REFERENCE/histo_Y_min_val REFERENCE/histo_X_max_val REFERENCE/histo_Y_max_val TARGET/histo_X_min_val TARGET/histo_Y_min_val TARGET/histo_X_max_val TARGET/histo_Y_max_val	The minimum/maximum histogram X/Y axis values. These values must be in the units of the X/Y data variables.	Yes	These values default to the spatial event bounds
REFERENCE/histo_X_bins REFERENCE/histo_Y_bins TARGET/histo_X_bins TARGET/histo_Y_bins	The number of histogram X & Y bins	Yes	An expression that evaluates to 1/2 degree bins with a minimum of 2 bins.
returnURLsOnly	For clients that want to see what OPeNDAP URLs are generated but for whatever reason don't actually want the server to call them.	No	false
REFERENCE/filterOnEventLongitude TARGET/filterOnEventLongitude	Filter observations to bin & average by the events' spatial bounds. This may be redundant since the default X & Y axis range is also set to the spatial bounds.	Yes	true
REFERENCE/filterOnEventTime TARGET/filterOnEventTime	Filter observations to bin & average by the events' time bounds. This only works for data collections that have a time variable and knowledge of how to create new time values in that format.	Yes	true if data collection supports time formatting, false otherwise.
REFERENCE/[varname].min REFERENCE/[varname].max TARGET/[varname].min TARGET/[varname].max	Add an additional global filter for the requested data variable. All filters are "AND"-ed together. The values must be in the same units of the data variable. Min and max are assumed to be monotonically increasing. (i.e. values < min and values > max are discarded).	No	N/A

Data Collector: FullresolutionNTuples

Applies to: universal.

Returns tuples for each requested data variable.

property	help	required?	default?
tupleFormat	Set to 'multidimensional' or 'flat'. Multidimensional format preserves data variable dimensions, compressing the array as much as possible. Flat format returns a smaller 1D array of observations. Due to filtering, the multidimensional format may have some missing values, which will be set to the MAX value of the parameters' type.	Yes	multidimensional
returnURLsOnly	For clients that want to see what OPeNDAP URLs are generated but for whatever reason don't actually want the server to call them.	No	false
REFERENCE/filterOnEventLongitude TARGET/filterOnEventLongitude	Filter observations to return by the events' spatial bounds.	Yes	true

REFERENCE/filterOnEventTime TARGET/filterOnEventTime	Filter observations to return by the events' time bounds. This only works for data collections that have a time variable and knowledge of how to create new time values in that format.	Yes	true if data collection supports time formatting, false otherwise.
REFERENCE/[varname].min REFERENCE/[varname].max TARGET/[varname].min TARGET/[varname].max	Add an additional global filter for the requested data variable. All filters are "AND"-ed together. The values must be in the same units of the data variable. Min and max are assumed to be monotonically increasing. (i.e. values < min and values > max are discarded).	No	N/A